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PTO/SB/05 (03-01)

Approved for use through 10/31/2002 OMB 0651-0032
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket	PTZ31C1
	First Inventor	Rosen et al.
	Title	Nucleic Acids, Proteins, and Antibodies
	Express Mail Label	

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents	Box Patent Application ADDRESS TO: Commissioner for Patents Washington, DC 20231
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1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) 2. <input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27 3. <input checked="" type="checkbox"/> Specification [Total Pages 394] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <input type="checkbox"/>] 5. Oath or Declaration [Total Pages 5] a. <input type="checkbox"/> Newly executed (original or copy) b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. <input checked="" type="checkbox"/> Application Data Sheet See 37 CFR 1.76 (7 pages)	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input checked="" type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input checked="" type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input checked="" type="checkbox"/> Statements verifying identity of above copies ACCOMPANYING APPLICATIONS PARTS 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Associate Power of (when there is an assignee) Attorney 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosure <input type="checkbox"/> Copies of IDS Statement (IDS)/PTO-1449 Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input checked="" type="checkbox"/> Other 1. Statement Under 37 C.F.R. § 1.821 2. Transmittal and Submission Under 37 C.F.R. §§ 1.824 and 1.52(e)
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18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. **09/764,885**
 Prior application information: Examiner **Clow, L.** Group / Art Unit. **1631**

For CONTINUATION or DIVISIONAL APPS only The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.

19. CORRESPONDENCE ADDRESS					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		22195		or <input type="checkbox"/> Correspondence address below	
Name					
Address					
City		State		Zip Code	
Country		Telephone		Fax	

Name (Print/Type)	Mark J. Hyman	Registration No. (Attorney/Agent)	46,789
Signature		Date	February 14, 2002

J1132 U.S. PTO
02/14/02

02/14/02
J1132 U.S. PTO

100-2979-021402

PTO/SB/17 (11-01)
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<h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">for FY 2002</h3> <p style="margin: 0; font-size: small;">Patent fees are subject to annual revision.</p>				<p>Complete if Known</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Application Number</td><td>Not Yet Assigned</td></tr> <tr><td>Filing Date</td><td>Herewith</td></tr> <tr><td>First Named Inventor</td><td>Rosen et al.</td></tr> <tr><td>Examiner Name</td><td>Not Yet Assigned</td></tr> <tr><td>Group Art Unit</td><td>Not Yet Assigned</td></tr> <tr><td>Attorney Docket No.</td><td>PTZ31C1</td></tr> </table>		Application Number	Not Yet Assigned	Filing Date	Herewith	First Named Inventor	Rosen et al.	Examiner Name	Not Yet Assigned	Group Art Unit	Not Yet Assigned	Attorney Docket No.	PTZ31C1																																																																																																																																																																																		
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<p>METHOD OF PAYMENT (check all that apply)</p> <p> <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None </p> <p> <input checked="" type="checkbox"/> Deposit Account </p> <p> Deposit Account Number: 08-3425 Deposit Account Name: Human Genome Sciences, Inc. </p> <p> The Commissioner is hereby authorized to: (check all that apply) </p> <p> <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments </p> <p> <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application </p> <p> <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account </p>				<p>FEE CALCULATION (continued)</p> <p>3. ADDITIONAL FEES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - 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| **1. BASIC FILING FEE** | Large Entity | | Small Entity | | Fee Description | Fee Paid | |---------------------|----------|--------------|----------|------------------------|----------| | Fee Code | Fee (\$) | Fee Code | Fee (\$) | | | | 101 | 740 | 201 | 370 | Utility filing fee | 740.00 | | 106 | 330 | 206 | 165 | Design filing fee | | | 107 | 510 | 207 | 255 | Plant filing fee | | | 108 | 740 | 208 | 370 | Reissue filing fee | | | 114 | 160 | 214 | 80 | Provisional filing fee | | | SUBTOTAL (1) | | | | (\$) | 740.00 | | | | | **2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE** | Large Entity | | Small Entity | | Fee Description | Fee Paid | |---------------------|----------|--------------|----------|--|----------| | Fee Code | Fee (\$) | Fee Code | Fee (\$) | | | | 103 | 18 | 203 | 9 | Claims in excess of 20 | | | 102 | 84 | 202 | 42 | Independent claims in excess of 3 | | | 104 | 280 | 204 | 140 | Multiple dependent claim, if not paid | | | 109 | 84 | 209 | 42 | ** Reissue independent claims over original patent | | | 110 | 18 | 210 | 9 | ** Reissue claims in excess of 20 and over original patent | | | SUBTOTAL (2) | | | | (\$) | 156.00 | **or number previously paid, if greater, For Reissues, see above | |
| **SUBMITTED BY** | | | | | | | |-------------------|---------------|----------------------------------|--------|-----------|-------------------| | Name (Print/Type) | Mark J. Hyman | Registration No (Attorney/Agent) | 46,789 | Telephone | (240) 314-1224 | | Signature | | | | Date | February 14, 2002 | | | | | | |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Rosen et al.

Attorney Docket No.: PTZ31C1

Application Serial No.: Not Yet Assigned

Art Unit: Not Yet Assigned

Filed: Herewith

Examiner: Not Yet Assigned

Title: Nucleic Acids, Proteins, and Antibodies

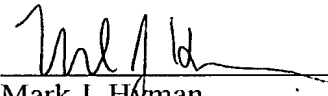
STATEMENT UNDER 37 C.F.R. § 1.821Commissioner for Patents
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. § 1.821(f), Applicants hereby certify that the sequence listing information recorded in computer readable form and submitted herewith is identical to the written (on compact disc) Sequence Listing submitted herewith.

Respectfully submitted,

Dated: February 14, 2002


Mark J. Hyman
Attorney for Applicants

Reg. No. 46,789

Human Genome Sciences, Inc.
9410 Key West Avenue
Rockville, MD 20850
Telephone: (240) 314-1224

Enclosures

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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**TRANSMITTAL AND SUBMISSION UNDER
37 C.F.R. §§ 1.824 AND 1.52(e)**Commissioner for Patents
Washington, D.C. 20231

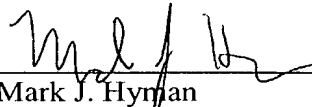
Sir:

In accordance with 37 C.F.R. §§ 1.821(e) and 1.824, Applicants submit herewith a Sequence Listing satisfying the computer readable format requirements on a compact disc (CD-R) labeled "CRF." Applicants submit concurrently herewith a Statement Under 37 C.F.R. § 1.821.

Additionally, in accordance with 37 C.F.R. §§ 1.52(e), 1.821, and 1.823, Applicants submit herewith a Sequence Listing as an electronic document on two identical compact discs (CD-R). Applicants certify under 37 C.F.R. § 1.52(e)(4) that these two compact discs, labeled "Copy 1" and "Copy 2," are identical. These compact discs, formatted for an IBM-PC machine and compatible with the MS-Windows operating system, each contain the file "PTZ31C1 seqlist.txt" (26,945 bytes in size, created February 13, 2002).

Respectfully submitted,

Dated: February 14, 2002


Mark J. Hyman
Attorney for Applicants

Reg. No. 46,789

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Enclosures